

Title (en)

BLUE-EXCITABLE WATER-SOLVATED POLYMERIC DYES

Title (de)

MITTELS BLAULICHT ERREGBARE WASSERSOLVATISIERTE POLYMERFARBSTOFFE

Title (fr)

COLORANTS POLYMÈRES HYDROSOLUBLES EXCITABLES PAR LE BLEU

Publication

EP 3481900 A4 20200318 (EN)

Application

EP 17828190 A 20170705

Priority

- US 201662360882 P 20160711
- US 2017040775 W 20170705

Abstract (en)

[origin: US2018009989A1] Water solvated polymeric dyes and polymeric tandem dyes having a blue excitation spectrum are provided. The polymeric dyes are conjugated polymers that can include a thiophene-containing co-monomer. The polymeric tandem dyes further include a signaling chromophore covalently linked to the conjugated polymer in energy-receiving proximity therewith. Also provided are labelled specific binding members that include the subject polymeric dyes. Methods of evaluating a sample for the presence of a target analyte and methods of labelling a target molecule in which the subject polymeric dyes find use are also provided. Systems and kits for practicing the subject methods are also provided.

IPC 8 full level

C09B 62/503 (2006.01); **C08G 61/00** (2006.01); **C09B 69/10** (2006.01); **G01N 33/58** (2006.01)

CPC (source: EP US)

C08G 61/124 (2013.01 - EP US); **C08G 61/126** (2013.01 - EP US); **C09B 69/00** (2013.01 - EP US); **C09B 69/10** (2013.01 - US); **C08G 2261/1424** (2013.01 - EP US); **C08G 2261/148** (2013.01 - EP US); **C08G 2261/1644** (2013.01 - EP US); **C08G 2261/1646** (2013.01 - EP US); **C08G 2261/3142** (2013.01 - EP US); **C08G 2261/3223** (2013.01 - EP US); **C08G 2261/3241** (2013.01 - EP US); **C08G 2261/3243** (2013.01 - EP US); **C08G 2261/3246** (2013.01 - EP US); **C08G 2261/344** (2013.01 - EP US); **C08G 2261/41** (2013.01 - EP US); **C08G 2261/411** (2013.01 - EP US); **C08G 2261/414** (2013.01 - EP US); **C08G 2261/522** (2013.01 - EP US); **C08G 2261/72** (2013.01 - EP US); **G01N 33/582** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

US 201715642255 A 20170705; CN 201780055238 A 20170705; EP 17828190 A 20170705; US 2017040775 W 20170705; US 202017126961 A 20201218; US 202418411706 A 20240112